

Title (en)
Prosthesis with centralizing cement plug with a through-hole

Title (de)
Prothese mit Zentrier-Zementpfropfen mit Durchgangsbohrung

Title (fr)
Prothèse avec bouchon à ciment de centrage avec trou passant

Publication
EP 1330994 A1 20030730 (EN)

Application
EP 03250348 A 20030121

Priority
US 5674302 A 20020125

Abstract (en)
A prosthesis (10) includes a stem (12) for implantation at least partially within the medullary canal (14) of a long bone (16). The prosthesis (10) further includes a rod (20) operably associated with the stem (12) and a centralizer (22) having an opening (24) for receiving at least a portion of the rod (20). The centralizer (22) has a surface (26) for guiding the rod (20) into the opening (24). <IMAGE>

IPC 1-7
A61F 2/30; **A61F 2/32**

IPC 8 full level
A61B 17/58 (2006.01); **A61F 2/30** (2006.01); **A61F 2/00** (2006.01); **A61F 2/02** (2006.01); **A61F 2/32** (2006.01); **A61F 2/34** (2006.01); **A61F 2/36** (2006.01); **A61F 2/46** (2006.01)

CPC (source: EP US)
A61F 2/30723 (2013.01 - EP US); **A61F 2/30724** (2013.01 - EP US); **A61F 2/32** (2013.01 - EP US); **A61F 2/34** (2013.01 - EP US); **A61F 2/36** (2013.01 - EP US); **A61F 2/367** (2013.01 - EP US); **A61F 2/3676** (2013.01 - EP US); **A61F 2002/30062** (2013.01 - EP US); **A61F 2002/30113** (2013.01 - EP US); **A61F 2002/30138** (2013.01 - EP US); **A61F 2002/30156** (2013.01 - EP US); **A61F 2002/30159** (2013.01 - EP US); **A61F 2002/30217** (2013.01 - EP US); **A61F 2002/30224** (2013.01 - EP US); **A61F 2002/30329** (2013.01 - EP US); **A61F 2002/30332** (2013.01 - EP US); **A61F 2002/30354** (2013.01 - EP US); **A61F 2002/30367** (2013.01 - EP US); **A61F 2002/30405** (2013.01 - EP US); **A61F 2002/30448** (2013.01 - EP US); **A61F 2002/30604** (2013.01 - EP US); **A61F 2002/30726** (2013.01 - EP US); **A61F 2002/30772** (2013.01 - EP US); **A61F 2002/30787** (2013.01 - EP US); **A61F 2002/3079** (2013.01 - EP US); **A61F 2002/30795** (2013.01 - EP US); **A61F 2002/3085** (2013.01 - EP US); **A61F 2002/30879** (2013.01 - EP US); **A61F 2002/30891** (2013.01 - EP US); **A61F 2002/3208** (2013.01 - EP US); **A61F 2002/3611** (2013.01 - EP US); **A61F 2002/3625** (2013.01 - EP US); **A61F 2002/3631** (2013.01 - EP US); **A61F 2002/365** (2013.01 - EP US); **A61F 2002/4631** (2013.01 - EP US); **A61F 2210/0004** (2013.01 - EP US); **A61F 2220/0025** (2013.01 - EP US); **A61F 2220/0033** (2013.01 - EP US); **A61F 2220/005** (2013.01 - EP US); **A61F 2230/0006** (2013.01 - EP US); **A61F 2230/0017** (2013.01 - EP US); **A61F 2230/0023** (2013.01 - EP US); **A61F 2230/0028** (2013.01 - EP US); **A61F 2230/0067** (2013.01 - EP US); **A61F 2230/0069** (2013.01 - EP US); **A61F 2310/00011** (2013.01 - EP US); **A61F 2310/00017** (2013.01 - EP US); **A61F 2310/00023** (2013.01 - EP US); **A61F 2310/00029** (2013.01 - EP US); **A61F 2310/00179** (2013.01 - EP US); **A61F 2310/00353** (2013.01 - EP US)

Citation (applicant)
• US 5658351 A 19970819 - DUDASIK MICHAEL W [US], et al
• US 3793650 A 19740226 - LING R, et al
• EP 0427444 A1 19910515 - HOWMEDICA [IE]
• FR 2651118 A1 19910301 - AUBANIAC JEAN [FR]
• EP 0995441 A2 20000426 - PD DR DUNZENDORFER [DE]

Citation (search report)
• [XY] FR 2651118 A1 19910301 - AUBANIAC JEAN [FR]
• [Y] DE 3314210 A1 19840105 - SULZER AG [CH]
• [YA] EP 0006408 A1 19800109 - HOWMEDICA INT INC [DE]
• [A] EP 0995411 A2 20000426 - AESCULAP AG & CO KG [DE]
• [A] FR 2758977 A1 19980807 - SRIAH [FR]
• [A] DE 4313201 A1 19941103 - DEPUY ORTHOPAEDIE GMBH [DE], et al
• [A] EP 0403028 A1 19901219 - ORDEV BV [NL]
• [A] EP 1082948 A1 20010314 - LIMA LTO SPA [IT]
• [A] EP 0962198 A2 19991208 - BENOIST GIRARD & CIE [FR]
• [DA] US 5658351 A 19970819 - DUDASIK MICHAEL W [US], et al
• [DA] US 3793650 A 19740226 - LING R, et al
• [DA] EP 0427444 A1 19910515 - HOWMEDICA [IE]
• [DA] US 6017975 A 20000125 - SAUM KENNETH ASHLEY [US], et al
• [DA] US 6228900 B1 20010508 - SHEN FU-WEN [US], et al

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